Country / City CANADA/TORONTO

University / School UNIVERSITY OF TORONTO

Academic year 2019-2020

Title of the project SHIFTING MANHATTAN'S SHORELINE

Authors BONNIE CHUONG

## TECHNICAL DOSSIER

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| Title of the project | SHIFTING MANHATTAN'S SHORELINE |
| Authors | BONNIE CHUONG |
| Title of the course | LAN3017 |
| Academic year | 2019-2020 |
| Teaching Staff | FADI MASOUD / LIAT MARGOLIS |
| Department/Section/Program of belonging | MASTER OF LANDSCAPE ARCHITECTURE |
| University/School | UNIVERSITY OF TORONTO |

Written statement, short description of the project in English, no more than 250 words

Over the last three centuries, New York City's shoreline has expanded in response to urban development pressures. Today, a network of hard infrastructures and hundreds of piers have replaced the original shoreline and its marshes. This has made Manhattan especially vulnerable to sea level rise, storm surge, and pluvial flooding. At the intersection of these issues is an opportunity to reconsider Manhattan's shoreline as a continuous system of public green infrastructure, one that is connected to the rest of the city's green spaces. This thesis aims to reclaim the spaces between the existing piers to form a continuous new edge of wetland marshes, parks, promenades, and programmable public surfaces in service of climate resilience and adaptation.

For further information
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# CLIMATE CHANGE AGAIN

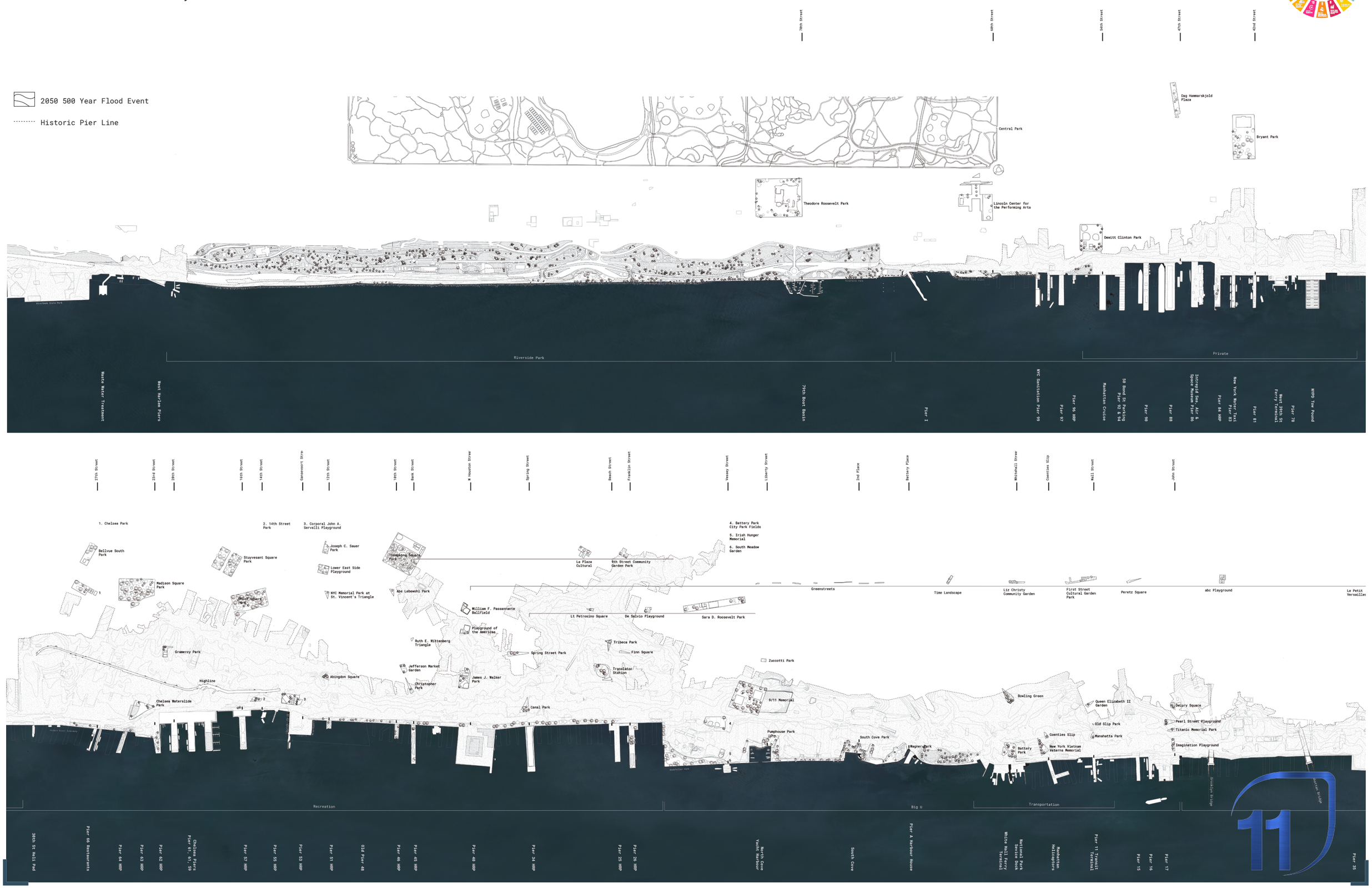
**11th International Biennial Landscape Barcelona**

Barcelona September 2020

SCHOOL PRIZE

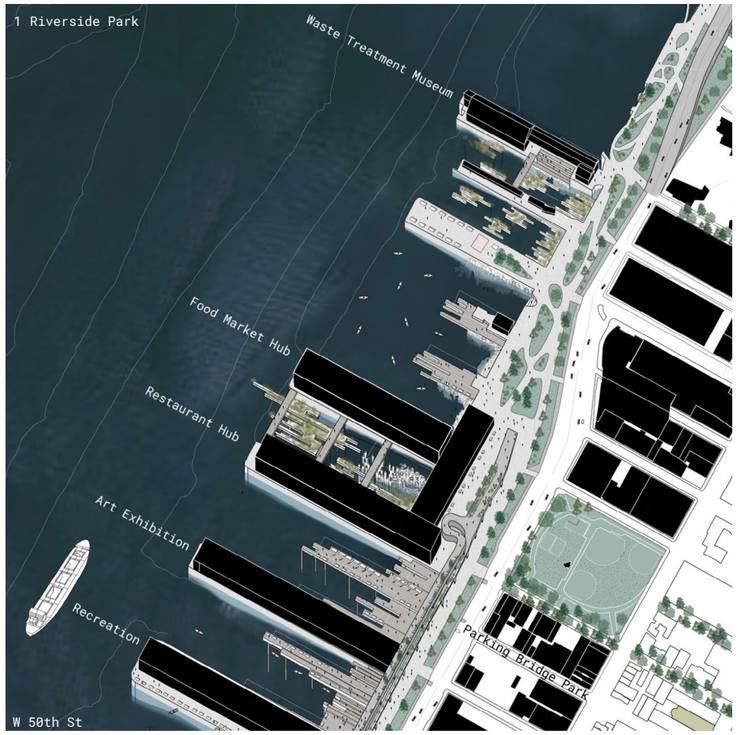
# Unrolled Shoreline of Manhattan

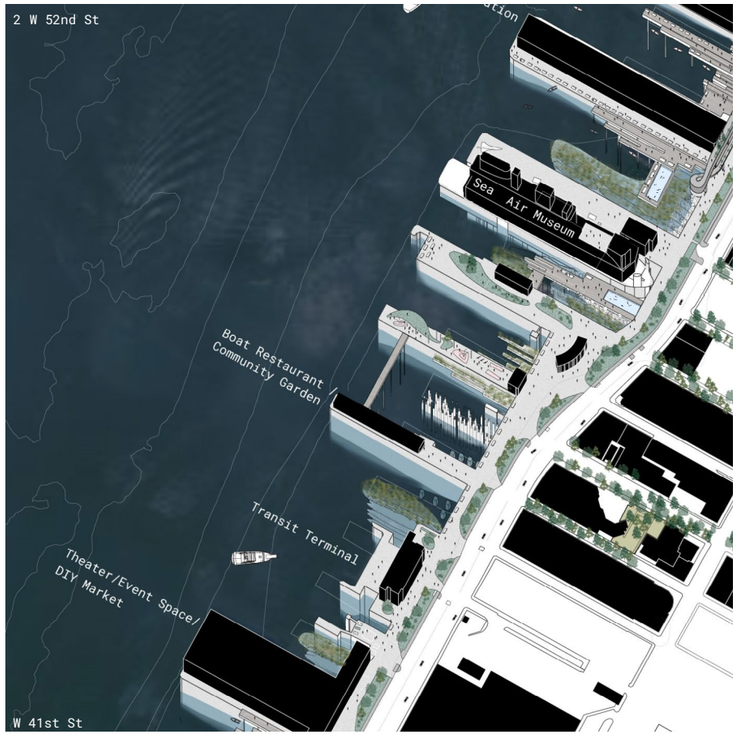
This map shows existing conditions, programing, flood-line, and adjacent parks from Riverside Park to Battery Park.



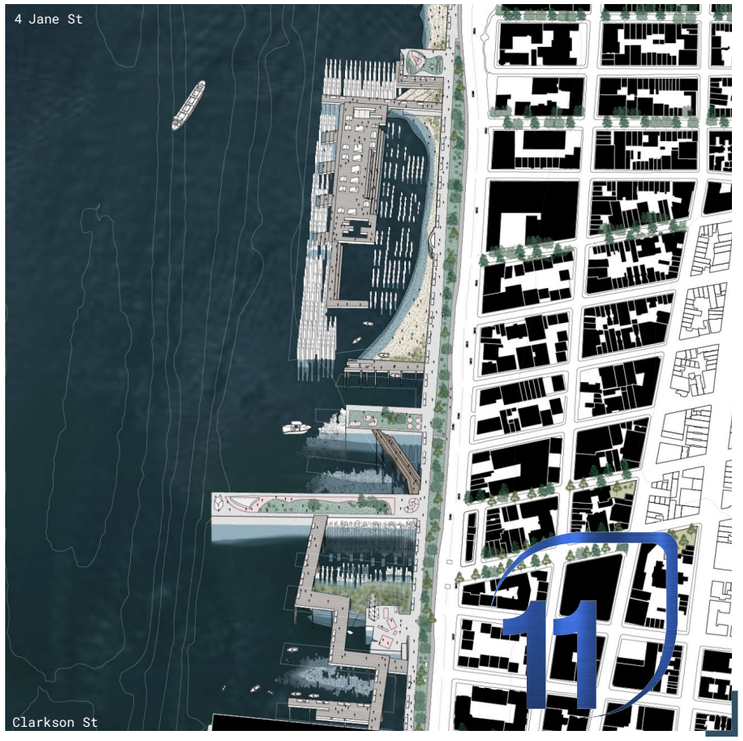

## Designed Shoreline

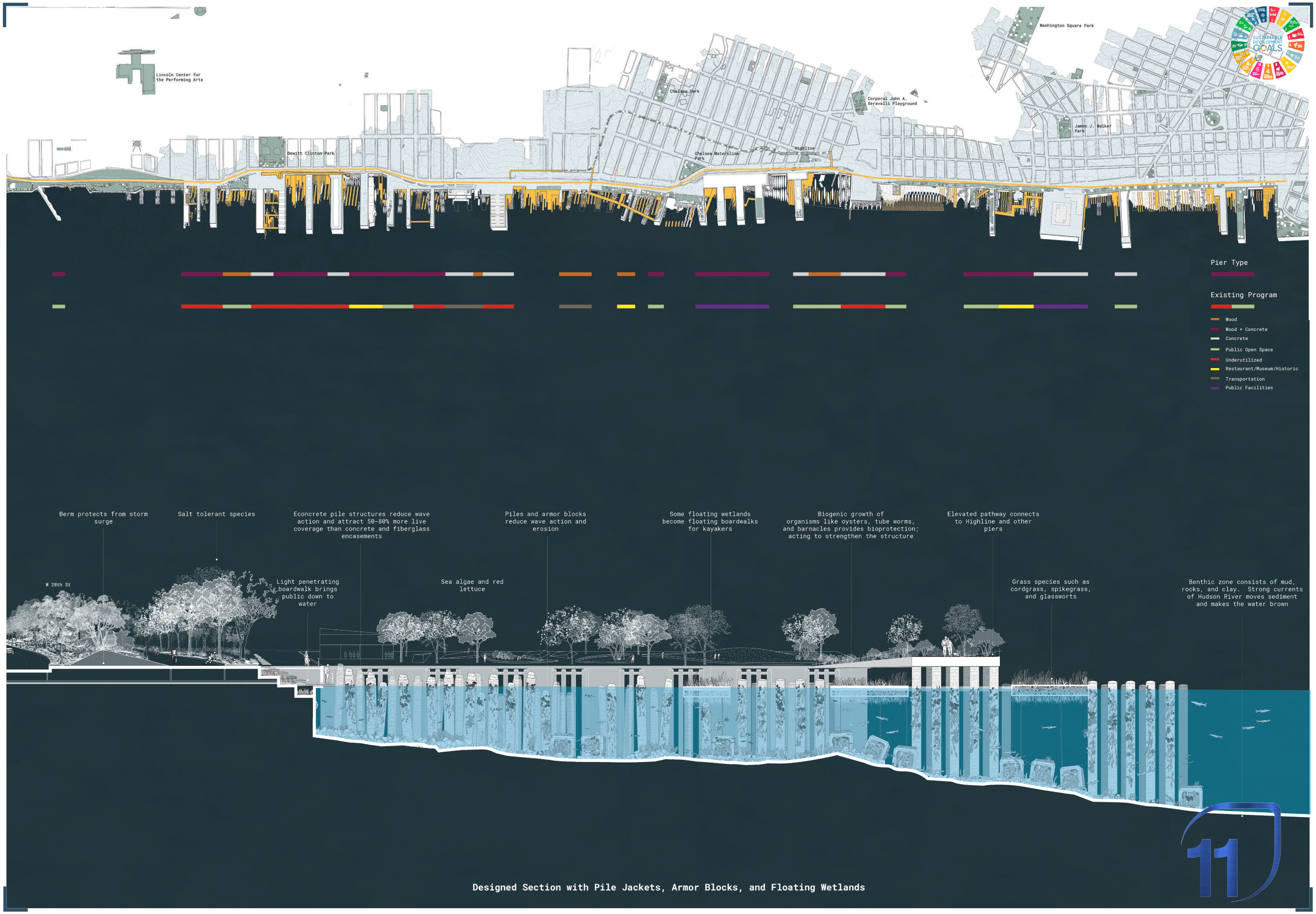
This design aims to utilize Nature Based Strategies (NBS) to create a new shoreline edge from Riverside Park to Battery park. The spaces between the piers are reclaimed to implement new forms of climate resilient infrastructures and public spaces. Together these structures will form a continuous new edge of wetland marshes, parks, promenades, and public spaces.










**Designed Section with Pile Jackets, Armor Blocks, and Floating Wetlands**